

*Replaced
By Article 19*
We claim:-

1. A process for coating a substrate, wherein a finely divided
5 suspension of crystalline oxide particles is applied to a
substrate by coating, the suspending medium is evaporated
and the coating on the substrate is sintered.
2. A process for coating a substrate as claimed in claim 1,
10 wherein oxide particles having a mean particle size of from
0.5 to 9.9 nm are used.
3. A process for coating a substrate as claimed in either of
claims 1 and 2, wherein the oxide particles used are BaTiO_3 ,
15 SrTiO_3 , $\text{Ba}_x \text{Sr}_{1-x} \text{TiO}_3$ where $x = 0.01$ to 0.99 , $\text{Pb} (\text{Zr}_x \text{Ti}_{1-x})$
 O_3 where $x = 0.01$ to 0.99 , $\text{Bi}_{4-x} \text{La}_x \text{Ti}_3 \text{O}_{12}$ where $x = 0$ to 4 or
 $\text{Sr Bi}_2 \text{Ta}_2 \text{O}_9$.
4. A process for coating a substrate as claimed in any of
20 claims 1, 2 and 3, wherein the suspending medium used is an
alcohol or a glycol ether.

25

30

35

40

45